Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_\_

**Biotechnology Stations Activity: Links**

AP Biology, Ms. Ottolini, 2012-2013

**Station 1: Gel Electrophoresis**

<http://www.sumanasinc.com/webcontent/animations/content/gelelectrophoresis.html>

**Station 2: Polymerase Chain Reaction (PCR)**

<http://www.sumanasinc.com/webcontent/animations/content/pcr.html>

**Station 3: DNA Sequencing**

<http://www.dnalc.org/resources/animations/cycseq.html>

**Station 4: Genomic Library**

<http://www.sumanasinc.com/webcontent/animations/content/dnalibrary.html>

**Station 5: Restriction Enzyme Analysis of DNA**

<http://highered.mcgraw-hill.com/olcweb/cgi/pluginpop.cgi?it=swf::535::535::/sites/dl/free/0072437316/120078/bio37.swf::Restriction%20Endonucleases>

***and***

<http://highered.mcgraw-hill.com/olcweb/cgi/pluginpop.cgi?it=swf::535::535::/sites/dl/free/0072437316/120078/bio20.swf::Restriction%20Fragment%20Length%20Polymorphisms>

**Station 6: Bacterial Transformation**

<http://www.dnalc.org/resources/animations/transformation1.html>

**Station 7: Microarray**

<http://highered.mcgraw-hill.com/sites/0072556781/student_view0/chapter15/animation_quiz_2.html>

**Station 8: Whole Organism Cloning**

<http://www.dnalc.org/resources/animations/cloning101.html>

**Station 9: Human Genome Project**

<http://www.ornl.gov/sci/techresources/Human_Genome/project/about.shtml>

***and***

<http://www.ornl.gov/sci/techresources/Human_Genome/project/info.shtml>

**Station 10: Genetically Modified Crops and Transgenic Animals**

<http://www.ornl.gov/sci/techresources/Human_Genome/elsi/gmfood.shtml>  
***and***

<http://dsc.discovery.com/technology/tech-10/genetic-engineering/10-transgenic-animals.html>